

产 品 规 格 书

PRODUCT SPECIFICATION SHEET

客 户 名 称：_____

产 品 名 称：_____ 2.4G&5G Antenna

产 品 料 号：_____ LY-2N217

客 户 料 号：_____

送 样 日 期：_____ 2019-5-17



工程确认：

核准	工程	制作	签章
Approval	Quality	Engineer	

客户确认：

核准	研发	品质	签章
确认结果： ☐ 合格 ☐ 不合格 ☐ 其它			

承认书项目表

Item	Description
1.....	承认书封面
2.....	承认书项目表
3.....	工程图面
4.....	电性测试报告

RF Antenna Cable Assembly

Specification

1. Electrical Properties

1.1 Frequency Range.....2.4GHz-2.5GHz&5.15GHz-5.85GHz

1.2 Impedance.....50Ω Nominal

1.3 VSWR.....2.0:1MAX

1.4 Return Loss.....-10dB Max

1.5 Gain(peak).....3dBi

1.6 Cable loss.....0.3dBi Max

1.7 Polarization.....Linear Vertical

1.8 Admitted Power.....2W

1.9 Cable.....RG-178

1.10 Conn.....SMA- Male

2. Physical Properties:

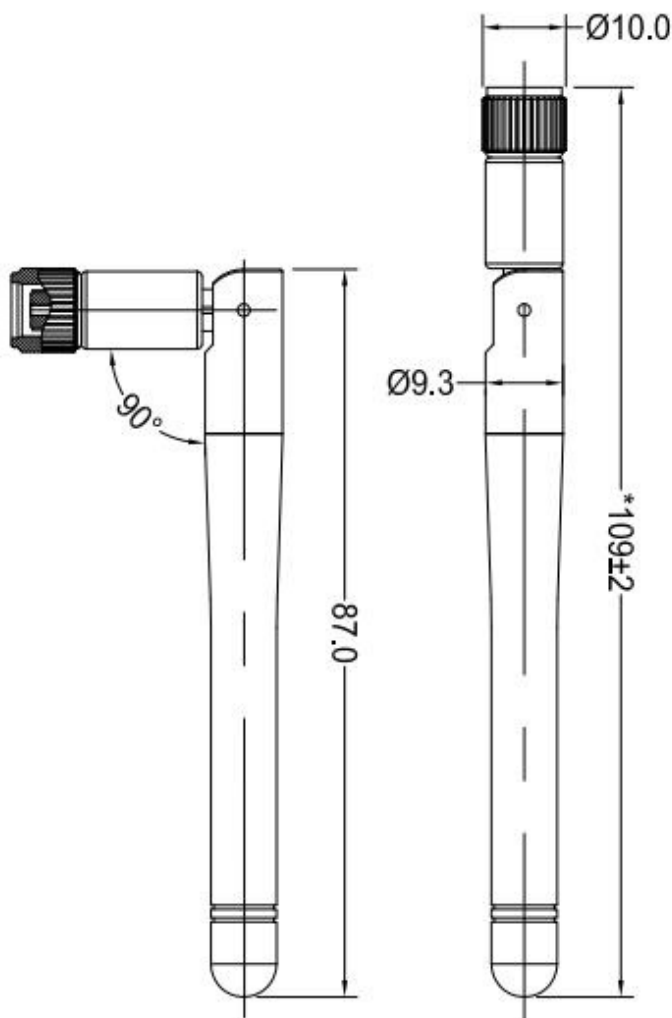
2.1 Antenna Material.....Cu

2.4 Operating Temp.....-40℃- +80℃

Antenna Engineer drawing :

RoHS Compliant

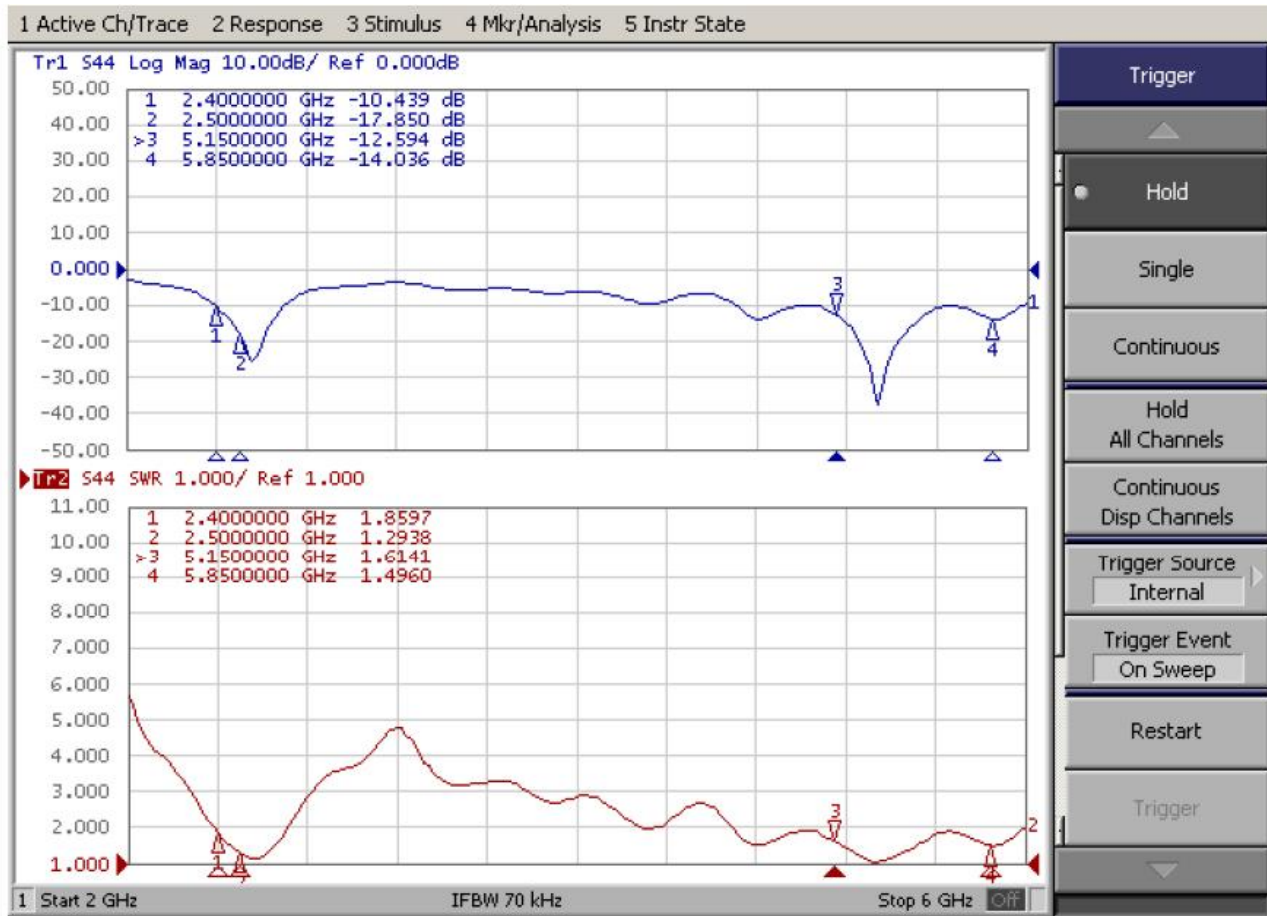
REV	DATE	DESCRIPTION
A	05/13-2014	New Issue



7	Cable	RG-178 Cable, Transparency Brown, 50Ω	1
6	Tube	Cu	1
5	Conn	Shell POM (Black) nickel plating white teeth	1
4	Rivet	POM; Color: Black	2
3	Bottom Base	PBT; Color: Black	1
2	Upper Base	PC; Color: Black	1
1	Antenna Cap	TPE; Color: Black	1
NO	DESCRIPTION		QTY

蓝一通讯科技有限公司 LANYI COMMUNICATION TECHNOLOGY CO., LTD			
TITLE: 2.4GHz & 5.8GHz Assembly			
PART NO: LY-2N217		DWG NAME: LY-N217.dwg	
APPROVED BY	CHECKED BY	DESIGNED BY	
		马兰	
		UNITS: mm	Tolerance
		SCALE: 1/1	X. ±1.0
		REVISION: A	X.X ±0.5
			X.XX ±0.2

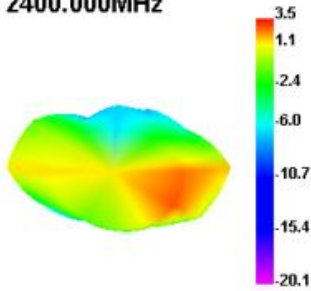
Return Loss



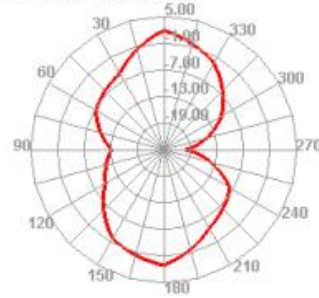
Gain&Efficiency

Passive Test For WIFI1			Passive Test For WIFI2		
Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
2400	63.1	3.48	5150	48.25	2.39
2410	55.92	2.89	5200	56.95	3.68
2420	64.51	3.49	5250	53.59	3.69
2430	64.06	3.48	5300	52.03	3.84
2440	68.24	3.87	5350	57.86	4.24
2450	66.31	3.87	5400	63.69	5.01
2460	62.07	3.66	5450	56.3	4.07
2470	61.76	3.65	5500	55.91	4.15
2480	60.8	3.73	5550	51.97	3.66
2490	63.78	4.05	5600	51.11	3.18
2500	58.99	3.83	5650	51.63	3.07
			5700	50.22	2.74
			5750	55.98	2.78
			5800	55.06	2.92
			5850	55.24	2.95

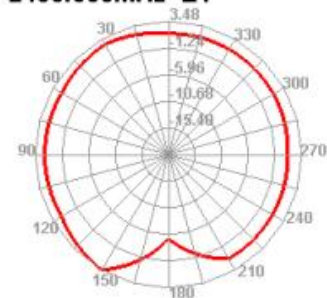
2400.000MHz



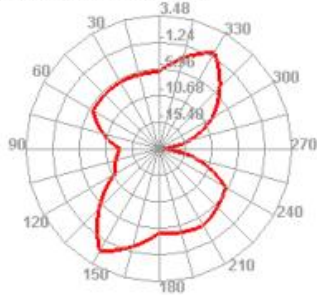
2400.000MHz H



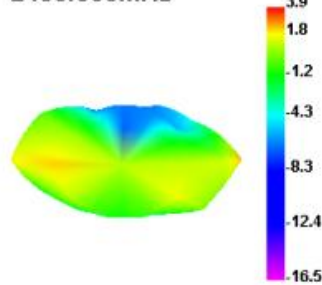
2400.000MHz E1



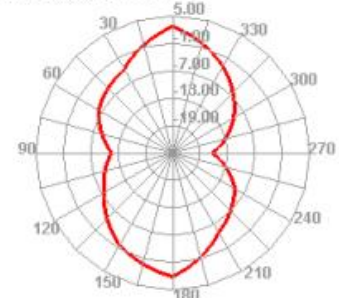
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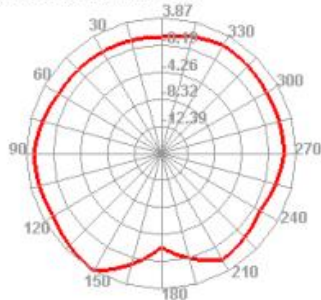
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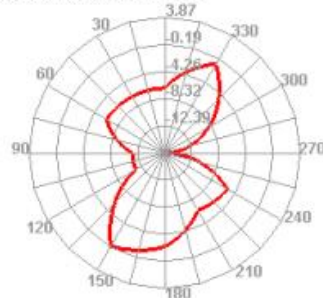
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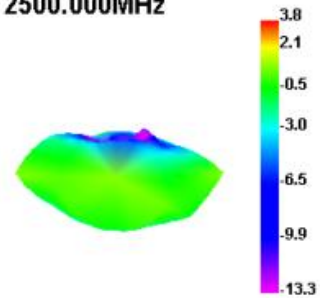
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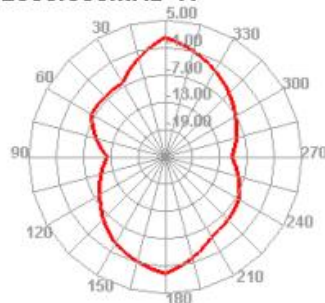
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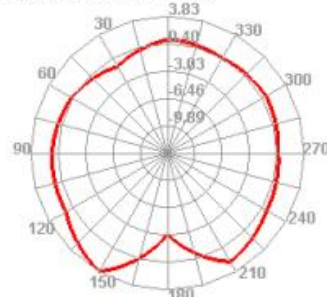
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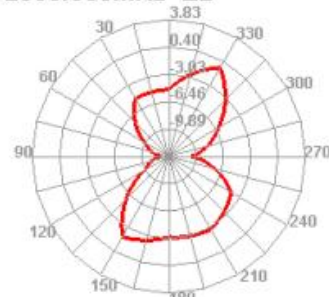
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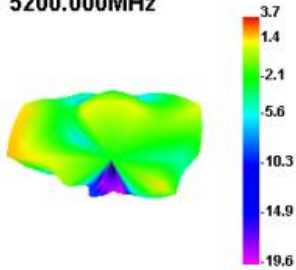
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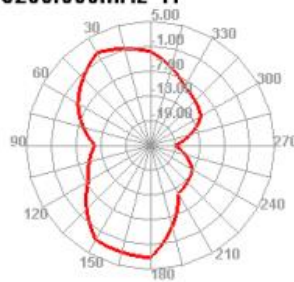
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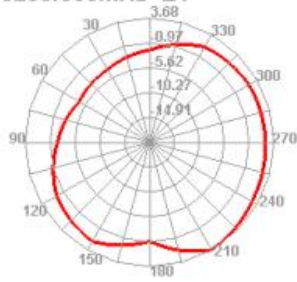
5200.000MHz



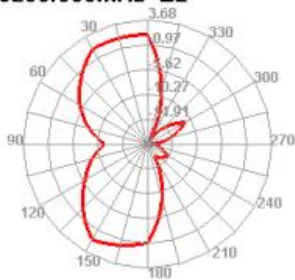
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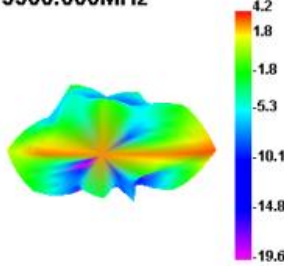
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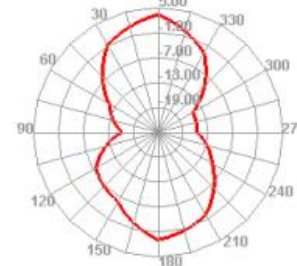
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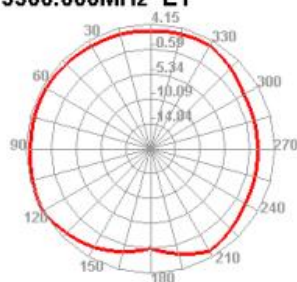
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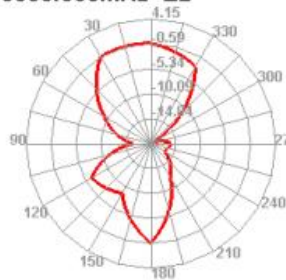
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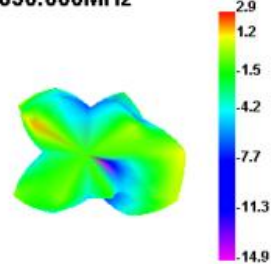
5500.000MHz E1



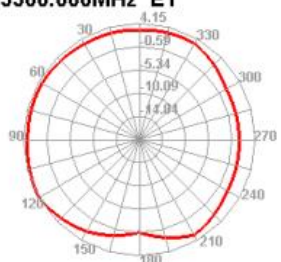
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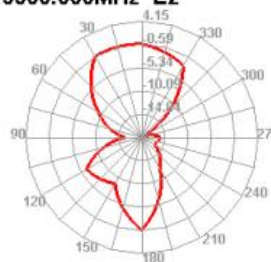
5850.000MHz



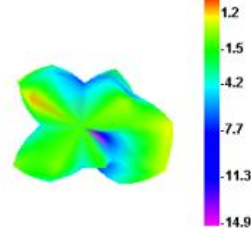
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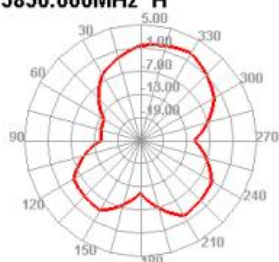
5500.000MHz E2



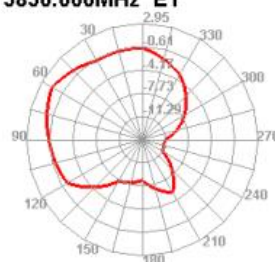
5850.000MHz



5850.000MHz H



5850.000MHz E1



5850.000MHz E2

